CDF Operations Report

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All Experiments' Meeting
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Store Summary

Store	Start Date	Time [hours]	Initial Lumi [E30]	Int. Lumi Delivered [nb^{-1}]	Live Lumi [nb^{-1}]	Eff.	Comments
3980	2/13	37.6	80.2	3,664.5	2,848.4	78%	L2 trigger test for 2hrs
3986	2/16	27.1	60.2	2,572.9	1,914.8	74%	HVAC pneumatic system work
3987	2/17	22.4	70.4	2,708.3	1,980.3	73%	
3989	2/18	24.4	77.4	3,055.3	2,598.8	85%	Changed DAQ system
3991	2/19	1.1	76.3	279.8	148.8	53%	TeV quenched
3994	2/20	0.8	66.7	187.2	161.7	86%	TeV quenched
Total	13-20	113.4	71.9	12,468	9,653	77%	

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CDF Operations

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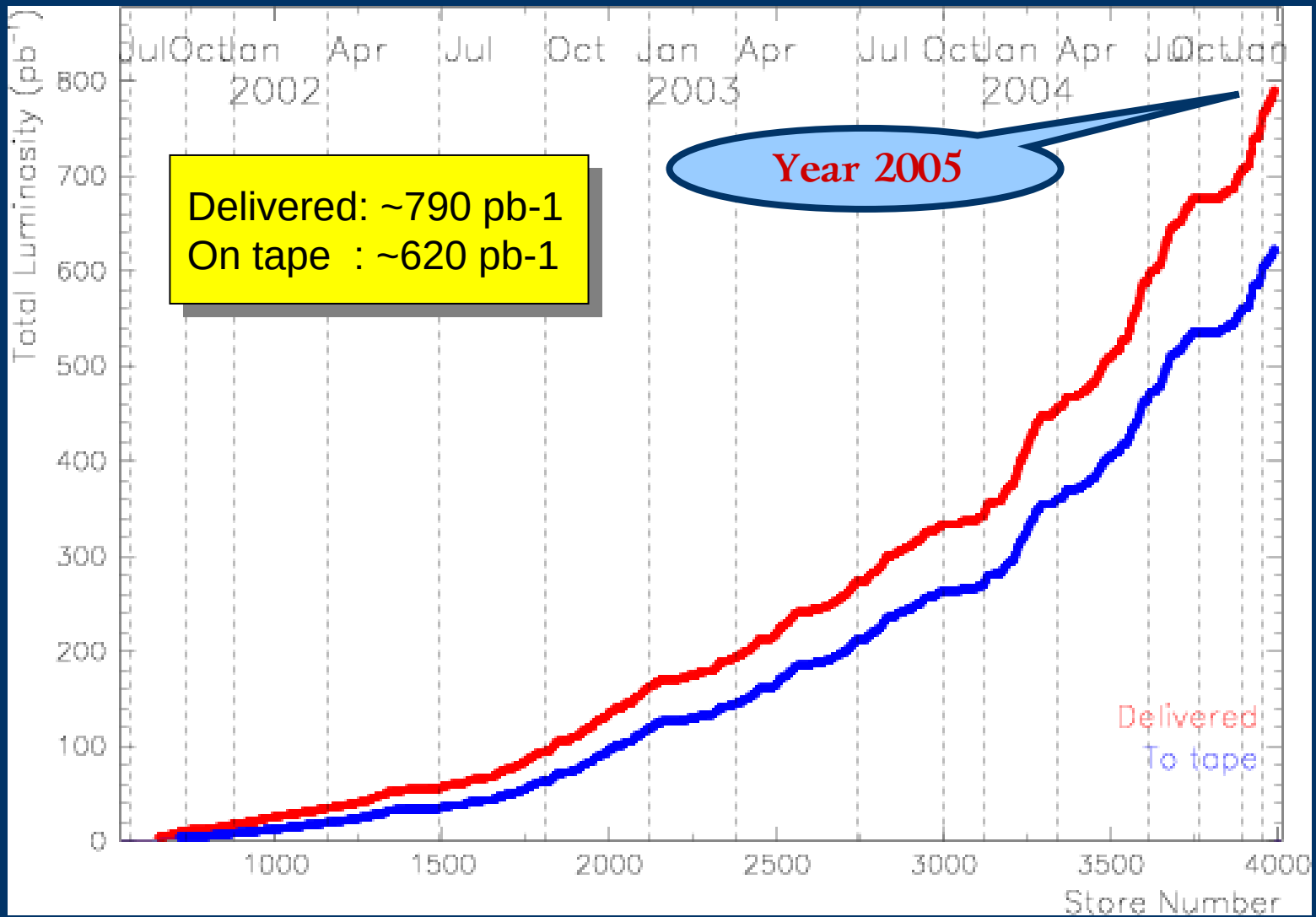
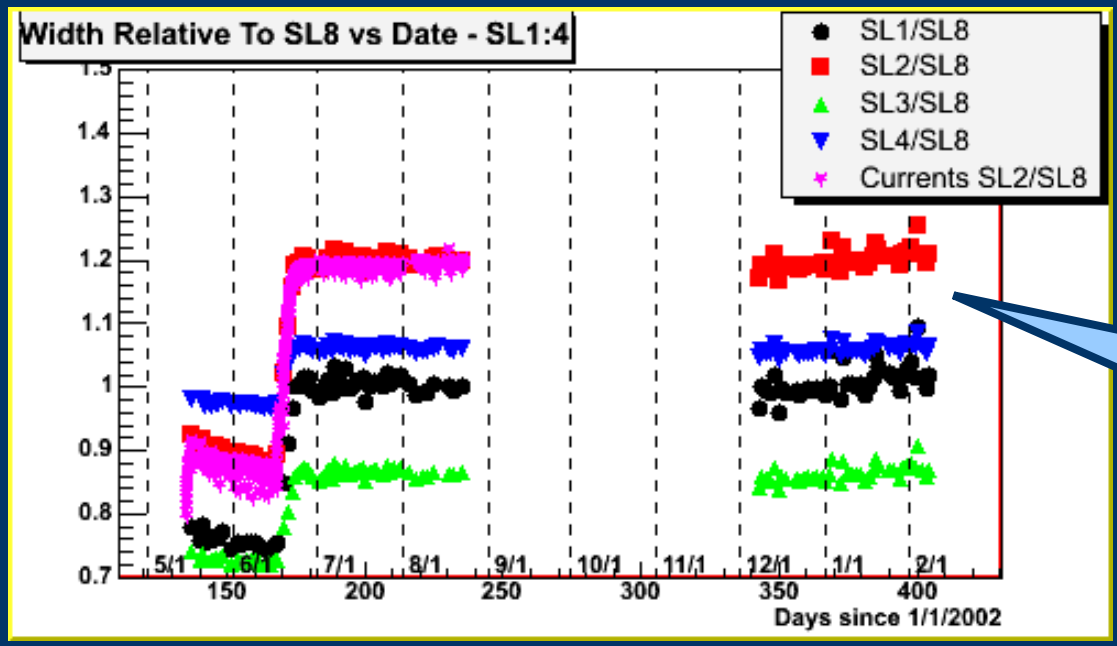
- CDF is devoting time for L2 Pulsar (Run IIb level 2 trigger upgrade) tests, along with silicon calibration at the end of stores.
- Store 3986 HVAC pneumatic system work (short maintenance job): cooled the hall down a little for short time, low beta quad movement observed, proton losses increased and tripped muon detector. The system has since returned to normal operation.
- CDF continued to work on hardware/software DAQ issues that reduced data taking efficiency.
  - Tried a new version of TDC readout DSP code that reduces readout deadtime but data taking efficiency went down due to DAQ errors.
  - We reverted back to our previous TDC readout DSP code before Friday store: data taking efficiency improved to ~85%
  - We are working to understand this.
- There was no serious losses when the a pbar kicker prefired on Sunday.
- CDF – this week: Take good data.

Run II Integrated Luminosity

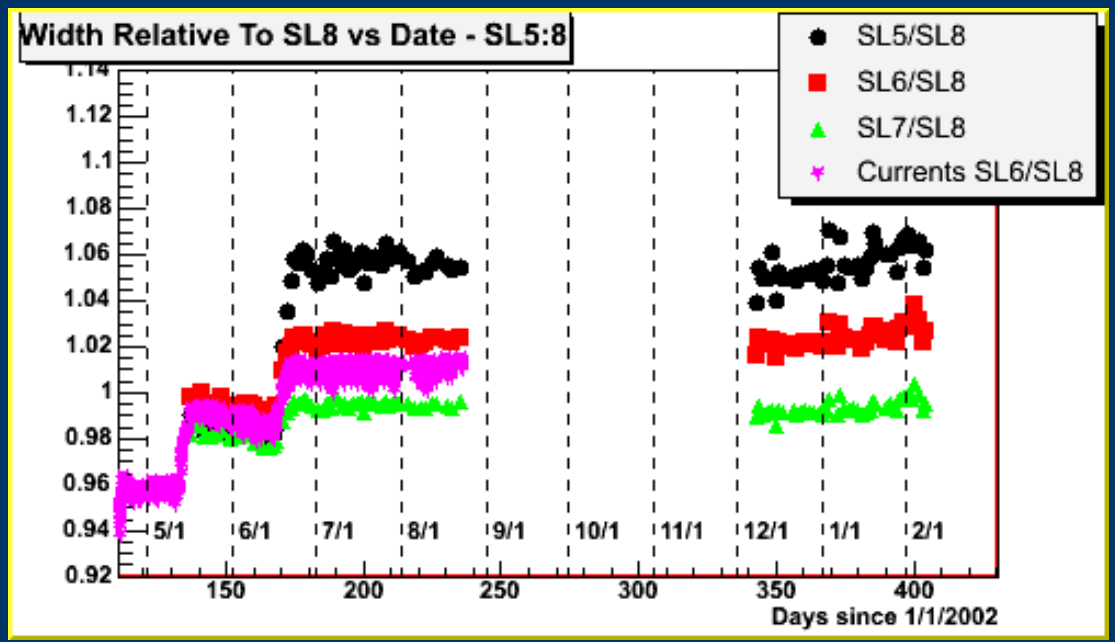




First evidence of COT gain drop observed Fall 2003

Good News

COT aging is gone now.



Pulse widths for the COT normalized to super layer 8 for the past few months.

They are flat with NO sign of aging; widths have returned to levels of early in the run II

Plots courtesy of Kevin Burkett